

U.S. Patent Appl. No. 10/728,947- Mockel et al.
 Attorney Docket No.: 021123-0306724

II. AMENDMENT TO THE CLAIMS

1-23. (Canceled)

1 24. (Currently Amended) An isolated nucleic acid comprising a nucleotide
 2 polynucleotide sequence selected from the group consisting of:

3 (a) ^{the} ~~a nucleotide~~ polynucleotide sequence ^{of} ~~as set forth in~~ SEQ ID NO: 1;

4 and

5 (b) a polynucleotide sequence encoding ^{the} a polypeptide sequence ^{of} SEQ ID
 6 NO: 2; and

7 ~~(b)(c)~~ ^{fully} a nucleotide sequence complementary to (a) or (b).

25. (Previously Presented) An isolated nucleic acid according to claim 24,
 wherein one or more of the codons in said SEQ ID NO: 1 are replaced with a degenerate
 codon.

Should we
 still reiterate
 the function?

26. (Currently Amended) An isolated nucleic acid according to claim 24, wherein
 said nucleotide sequence comprises one or more functionally neutral sense mutations ~~that do~~
~~not alter the enolase polypeptide activity wherein the changes in the polynucleotide sequence~~
do not alter the encoded enolase polypeptide or its activity.

27. (Canceled)

28. (Previously Presented) An isolated nucleic acid comprising ^a ~~nucleotides~~ sequence
 encoding a protein with the amino acid sequence of SEQ ID NO: 2.

29. (Canceled)

30. (Canceled)

1 31. (Currently Amended) An isolated nucleic acid comprising a nucleotide
 2 sequence selected from the group consisting of:

3 (a) ^{the} ~~the nucleotide~~ ^{sequence of} polynucleotide sequence ~~as set forth in~~ SEQ ID NO: 3;

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- 4 (b) a nucleotide ~~polynucleotide~~ ^{the} sequence encoding ~~the~~ polypeptide
5 ~~sequence as set forth in SEQ ID NO: 4; and~~
6 (c) a nucleotide ~~polynucleotide~~ ^{fully} sequence complementary to (a) or (b).
32. (Currently Amended) A vector comprising the isolated nucleic acid of ~~any one~~
of ~~claims 24-31~~ of any one of claims 24-26, 28 or 31.
33. (Currently Amended) The vector of ~~claim 35~~ claim 32, wherein said vector is
an expression vector.
34. (Currently Amended) [[A]] An isolated host cell ^{transformed with} ~~comprising~~ the vector of
claim 32.